

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 1    | 10/519710.app.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2008/04/11<br>12:37 |
| S2    | 2543 | 600/485,500-503.ccls.   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2008/04/11<br>12:45 |
| S3    | 50   | (US-20060122524-\$ or US-20030009107-\$ or US-20050286018-\$ or US-20040054657-\$ or US-20030189690-\$ or US-20040012760-\$ or US-20040080712-\$ or US-20020087087-\$ or US-20020193692-\$ or US-20040225255-\$ or US-20060178616-\$ or US-20010016695-\$ or US-20020044650-\$ or US-20030090627-\$).did. or (US-6999812-\$ or US-7281797-\$ or US-5033472-\$ or US-5830148-\$ or US-5895359-\$ or US-5931790-\$ or US-6083171-\$ or US-RE37852-\$ or US-5071245-\$ or US-5633694-\$ or US-7219997-\$ or US-7284860-\$ or US-5743856-\$ or US-5752920-\$ or US-5921936-\$ or US-6022320-\$ or US-6120456-\$ or US-6186953-\$ or US-6186954-\$ or US-6190325-\$ or US-6196974-\$ or US-6368282-\$ or US-6428481-\$ or US-4142212-\$ or US-6092420-\$ or US-6176832-\$).did. or (US-3905130-\$ or US-4067646-\$ or US-5485403-\$ or US- | US_PGPUB;<br>USPAT  | ADJ              | OFF     | 2008/04/11<br>13:20 |

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|    |    | 5847806-\$ or US-5867249-\$ or US-6234978-\$ or US-6334682-\$ or US-6540692-\$ or US-6695450-\$ or US-7309126-\$).did.  |   |     |     |                     |
| S4 | 50 | (US 20060122524-\$ or US-20030009107-\$ or US-20060276486-\$ or US-20030037264-\$ or US-20040054657-\$ or US-20060146285-\$ or US-20040080712-\$ or US-20070014464-\$).did. or (US-6999812-\$ or US-5196873-\$ or US-6066127-\$ or US-6864232-\$ or US-4877322-\$ or US-5296606-\$ or US-5328906-\$ or US-5576182-\$ or US-6411839-\$ or US-7219997-\$ or US-5703637-\$ or US-5854668-\$ or US-4917084-\$ or US-4950266-\$ or US-5196004-\$ or US-5843073-\$ or US-6159203-\$ or US-3905130-\$ or US-4067646-\$ or US-4826872-\$ or US-4894327-\$ or US-4962032-\$ or US-5011276-\$ or US-5057102-\$ or US-5042940-\$ or US-5202708-\$).did. or (US-5359372-\$ or US-5485403-\$ or US-5485404-\$ or US-5557321-\$ or US-5633694-\$ or US-5847806-\$ or US-5867249-\$ or US-6042233-\$ or US-6234805-\$ or US-6248732-\$ or US-6661571-\$ or US-6695450-\$ or US-6798334-\$ or US-7027220-\$ or US-7081993-\$ or US-7118218-\$).did. | US_PGPUB;<br>USPAT  | ADJ | OFF | 2008/04/11<br>13:20 |
| S5 | 1  | 600/485,500-503.col. and eyeground  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/04/11<br>13:24 |
| S6 | 8  | pulse wave and eyeground  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/04/11<br>13:24 |

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| S7  | 41 | pulse wave and (eyeground or fundus)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2008/04/11 13:25 |
| S8  | 3  | 600/485,500-503.ccls. and (eyeground or fundus)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2008/04/11 13:25 |
| S9  | 3  | ((REJL) near2 (KAWADA)).INV.   | US_PGPUB; USPAT  | ADJ | OFF | 2008/04/11 14:51 |
| S10 | 6  | ((SYOICHI) near2 (TAKANO)).INV.  | US_PGPUB; USPAT  | ADJ | OFF | 2008/04/11 14:51 |
| S11 | 2  | "6999812"  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2008/04/11 15:12 |
| S12 | 1  | 2003-596305.NRAN.  | DERWENT  | ADJ | OFF | 2008/04/11 15:12 |
| S13 | 1  | 2003-596305.NRAN.  | DERWENT  | ADJ | OFF | 2008/04/11 15:13 |
| S14 | 11 | ("20020058874"   "3948248"   "4572199"   "5031632"   "5116116"   "5400091"   "5663694"   "5847806"   "5976096"   "6390989"   "6621917").PN. OR ("6999812").URPN. | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/11 15:14 |
| S15 | 28 | electrocardiogram and pulse and (eyeground or fundus or optical near5 vein) and diameter and (synchronize\$2 or correlat\$4)                                     | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/11 15:18 |
| S16 | 6  | ("3929124"   "5987351"   "6086533"   "6129682").PN. OR ("6390989").URPN.   | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/11 15:49 |
| S17 | 3  | electrocardiogram and pulse and (eyeground or fundus or optical near5 vein) and diameter and (synchronize\$2 or correlat\$4) and sclerosis                       | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/11 15:56 |

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| S18 | 1    | "6621917".pn.   | US_PGPUB;<br>USPAT; USOCR   | ADJ | OFF | 2008/04/11<br>15:58 |
| S20 | 2872 | 382/128.ccls.   | US_PGPUB;<br>USPAT; USOCR   | ADJ | OFF | 2008/04/11<br>16:02 |
| S21 | 4    | 382/128.ccls. and retinal<br>and sclerosis  | US_PGPUB;<br>USPAT; USOCR   | ADJ | OFF | 2008/04/11<br>16:03 |
| S22 | 1    | wo-0130235-\$ did.  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/04/11<br>17:52 |
| S23 | 1    | 2001-328573.NRAN.   | DERWENT   | ADJ | OFF | 2008/04/11<br>17:52 |
| S24 | 3    | electrocardiogram and<br>pulse and (eyeground or<br>fundus or optical near5<br>vein or retinal vessel) and<br>diameter and (synchronize<br>\$2 or correlat\$4) and<br>sclerosis   | US_PGPUB;<br>USPAT; USOCR   | ADJ | OFF | 2008/04/11<br>18:19 |
| S25 | 20   | US-6621917-\$ DID. OR<br>US-4572199-\$ DID. OR<br>US-5031632-\$ DID. OR<br>US-600504D-\$ DID. OR<br>US-5116116-\$ DID. OR<br>US-6390989-\$ DID. OR<br>US-5400091-\$ DID. OR<br>US-5663694-\$ DID. OR<br>US-3948248-\$ DID. OR<br>US-5847806-\$ DID. OR<br>US 20020058874-\$ DID.                        | US_PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                | ADJ | OFF | 2008/04/11<br>18:21 |
| S26 | 2    | (US-6621917-\$ DID. OR<br>US-4572199-\$ DID. OR<br>US-5031632-\$ DID. OR<br>US-600504D-\$ DID. OR<br>US-5116116-\$ DID. OR<br>US-6390989-\$ DID. OR<br>US-5400091-\$ DID. OR<br>US-5663694-\$ DID. OR<br>US-3948248-\$ DID. OR<br>US-5847806-\$ DID. OR<br>US 20020058874-\$ DID.)<br>(and (sclerosis)) | US_PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                | ADJ | OFF | 2008/04/11<br>18:22 |
| S27 | 1671 | 600/513,500.ccls.   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/04/11<br>18:35 |

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| S28 | 26 | ({"20020154271"   "5031632"   "5058596"   "5090416"   "5186173"   "5240006"   "5549597"   "5731994"   "5776060"   "5777340"   "5784162"   "5822446"   "5960443"   "5993001"   "6000799"   "6047080"   "6048314"   "6048317"   "6110110"   "6198532"   "6527718"   "6530917").PN. OR ("6621917").URPN. | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/12 09:11 |
| S29 | 0  | (electrocardiogram or ECG or EKG) and pulse and (eyeground or fundus or optical near5 vein) and diameter and ((R-wave and T-wave) or (R-peak and T-peak))   | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/12 09:33 |
| S30 | 3  | (electrocardiogram or ECG or EKG) and pulse and (eyeground or fundus or optical near5 vein) and diameter and ((R wave and T wave) or (R peak and T peak))   | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/12 09:34 |
| S31 | 3  | (electrocardiogram or ECG or EKG) and (eyeground or fundus or optical near5 vein) and diameter and ((R wave and T wave) or (R peak and T peak))   | US_PGPUB; USPAT; USOCR                                   | ADJ | OFF | 2008/04/12 09:34 |
| S32 | 26 | ({"20020154271"   "5031632"   "5058596"   "5090416"   "5186173"   "5240006"   "5549597"   "5731994"   "5776060"   "5777340"   "5784162"   "5822446"   "5960443"   "5993001"   "6000799"   "6047080"   "6048314"   "6048317"   "6110110"   "6198532"   "6527718"   "6530917").PN. OR ("6621917").URPN. | US_PGPUB; USPAT; USOCR                                   | ADJ | ON  | 2009/06/03 13:08 |
| S33 | 1  | (eyeground or fundus) same (image) same (ECG or EKG)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:12 |

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| S34 | 19  | (eyeground or fundus) same (image) and (ECG or EKG)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:15 |
| S35 | 175 | (eyeground or fundus) same (vein) and (diameter)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:18 |
| S36 | 44  | (eyeground or fundus) same (vein) same (diameter)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:18 |
| S37 | 10  | (eyeground or fundus) same (vein) and (diameter) and (ECG or EKG or electrocardiogra \$6)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:19 |
| S38 | 11  | ("20020058874"   "3948248"   "4572199"   "5031632"   "5116116"   "5400091"   "5663694"   "5847806"   "5976096"   "6390989"   "6621917"). PN. OR ("6999812"). URPN. | US_PGPUB; USPAT; USOCR                                   | ADJ | ON  | 2009/06/03 13:21 |
| S39 | 6   | (eyeground or fundus) same (vein) and (diameter) and (ECG or EKG or electrocardiogra \$6) and (synchroniz\$7)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:23 |
| S40 | 25  | (eyeground or fundus or retinal) same (vein) and (diameter) and (ECG or EKG or electrocardiogra \$6) and (synchroniz\$7)   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2009/06/03 13:25 |
| S41 | 646 | 600/504.ccls.  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON  | 2009/06/03 13:49 |

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| S42 | 932  | 600/561.ccls.                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/06/03<br>13:50 |
| S43 | 548  | 600/483.ccls.                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/06/03<br>13:50 |
| S44 | 3680 | 382/128.ccls.                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/06/03<br>13:52 |
| S45 | 2    | (US-6999812-\$ or US-6390989-\$).dtd. | USPAT   | ADJ | ON  | 2009/06/03<br>13:54 |
| S46 | 512  | 600/513.ccls.                         | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2009/06/03<br>13:56 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs            | Default Operator | Plurals | Time Stamp          |
|-------|------|---|----------------|------------------|---------|---------------------|
| L1    | 0    | (pulse wave propagation detection and electrocardiographic signal and eyeground image detection and intracerebral blood vessel and synchronized)      | USPAT;<br>UPAD | ADJ              | ON      | 2009/09/30<br>10:37 |
| L2    | 0    | (pulse wave propagation detection and electrocardiographic signal and eyeground image detection and intracerebral blood vessel and synchronized).clm. | USPAT;<br>UPAD | ADJ              | ON      | 2009/09/30<br>10:38 |

9/ 30/ 2009 10:52:33 AM

C:\Documents and Settings\cjang\My Documents\EAST\Workspaces\10-519710 Pulse Wave Transmision Detection System.wsp